

Title (en)  
HIGH-FREQUENCY SWITCH MODULE

Title (de)  
HOCHFREQUENZSCHALTMODUL

Title (fr)  
MODULE DE COMMUTATEUR À HAUTE FRÉQUENCE

Publication  
**EP 2323269 A4 20150812 (EN)**

Application  
**EP 09810024 A 20090828**

Priority  
• JP 2009065044 W 20090828  
• JP 2008223687 A 20080901

Abstract (en)  
[origin: EP2323269A1] A high-frequency switch module (1) includes a switch element (SW1), high-frequency circuits (2 to 6), and a GND circuit (7). The switch element (SW1) includes an antenna port (Pa1), switch ports (Ps1 to Ps6), and an FET switch. The FET switch switches connection between the switch ports (Ps1 to Ps6) and the antenna port (Pa1). The high-frequency circuits (2 to 6) connect any of the switch ports (Ps1 to Ps6) to a signal processing circuit. In the GND circuit (7), the switch port (Ps6), which is not connected to the high-frequency circuits (2 to 6), is directly connected to a GND electrode.

IPC 8 full level  
**H04B 1/44** (2006.01); **H04B 1/50** (2006.01)

CPC (source: EP US)  
**H01P 1/20345** (2013.01 - EP US); **H03K 17/693** (2013.01 - EP US); **H04B 1/0057** (2013.01 - EP US); **H04B 1/006** (2013.01 - EP US); **H04B 1/44** (2013.01 - EP US); **H04B 1/48** (2013.01 - EP US)

Citation (search report)  
• [XI] EP 1505683 A1 20050209 - TDK CORP [JP]  
• [XA] EP 1720261 A1 20061108 - MURATA MANUFACTURING CO [JP]  
• See references of WO 2010024376A1

Designated contracting state (EPC)  
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO SE SI SK SM TR

DOCDB simple family (publication)  
**EP 2323269 A1 20110518; EP 2323269 A4 20150812; EP 2323269 B1 20190814**; CN 102138285 A 20110727; CN 102138285 B 20141119; JP 4715973 B2 20110706; JP WO2010024376 A1 20120126; US 2011181342 A1 20110728; US 9083394 B2 20150714; WO 2010024376 A1 20100304

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**EP 09810024 A 20090828**; CN 200980134681 A 20090828; JP 2009065044 W 20090828; JP 2010504344 A 20090828; US 201113036029 A 20110228